

Form PTO-1449 (Rev. 8-83) (modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.	SERIAL NO.
		13001US01	09/752,857
		APPLICANT(s): Stahly et al.	
<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)		FILING DATE	GROUP ART UNIT:
		December 28, 2000	

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Y6	1	4,290,835	09/22/81	Yates et al.	156	601	
	2	4,295,857	10/20/81	Schuler et al.	23	301	
	3	5,363,797	11/15/94	Uenishi et al.	117	68	
	4	5,997,636	12/07/99	Gamarnik et al.	117	70	

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Y6	5	Cristian, et al., "The Mechanism of Material Drying v. Liquid Evaporation From Capillaries," <i>Buletinul Institutului Politehnic Din Iasi, Sectia II</i> , pp. 37-43, 1979
	6	Overman, et al., "Convective Diffusion in Capillaries," <i>The Journal of Physical Chemistry</i> , Volume 72, Number 1, pp. 155-158, January 1968
	7	Preiss, et al., "Evaporation From A Capillary Tube," <i>Transactions of the ASME, Journal of Heat Transfer</i> , pp. 178-181, May 1976
	8	Christenson, et al., "Growth of Ionic Crystallites on Exposed Surfaces," <i>Journal of Colloid and Interface Science</i> , Vol. 117, No. 2, pp. 576-577, June 1987
	9	Sibille, et al., "Analysis of solvent evaporation rates in the vapor diffusion protein crystal growth experiments from STS-61C Space Shuttle Mission," <i>Journal of Crystal Growth</i> , 110, pp. 72-79, 1991
	10	Sibille, et al., "Solvent evaporation rates in the enclosed capillary vapor diffusion method of protein crystal growth," <i>Journal of Crystal Growth</i> , 110, pp. 80-88, 1991

EXAMINER	DATE CONSIDERED:
Yelwe Hah	06/20/02
*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Form PTO-1449  
(Rev. 8-83)  
(modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

13001US01

SERIAL NO.

62/752,897

APPLICANT(s):

Stahly et al.

FILING DATE

December 28, 2000

GROUP ART UNIT

# INFORMATION DISCLOSURE CITATION

(Indicate serial sheets if necessary)

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

46	11	Swanson, et al., "Model of the Evaporating Meniscus in a Capillary Tube," <i>Transactions of the ASME, Journal of Heat Transfer</i> , Vol. 114, pp. 434-441, May 1992
	12	Stewart, et al., "The Formation of Particle Clusters Near An Interfacial Meniscus," <i>Chemical Engineering Science</i> , Vol. 48, No. 4, pp. Vol. 771-788, 1993
	13	Laurindo, et al., "Evaporation in Capillary Porous Media. An Experimental and Numerical Network Study," <i>Proceedings of the ASME Heat Transfer and Fluids Engineering Divisions</i> , HTD-Vol. 321, FED-Vol. 233, pp. 637-649, 1995
	14	Khrustalev, et al., "Fluid Flow Effects in Evaporation From Liquid-Vapor Meniscus," <i>Transactions of the ASME, Journal of Heat Transfer</i> , Vol. 118, pp. 725-730, August 1996
	15	Kuz, "Model for the Convective Transport of Particles in a Two-Dimensional Cluster," <i>American Chemical Society, Langmuir</i> , 13, pp. 3900-3901, 1997
	16	Douglas, et al., "Wetting of a Chemically Heterogeneous Surface," <i>Journal of Chemical Physics</i> , Vol. 110, No. 12, pp. 5969-5977, 22 March 1999
	17	Amaro-Gonzalez, et al., "Gas antisolvent crystallization of organic salts from aqueous solutions," <i>The Journal of Supercritical Fluids</i> , 17, pp. 249-258 (2000).
	18	Mullin, "Crystallization Techniques and Equipment," <i>Crystallization</i> , Butterworth-Heinemann, pp. 265-368, 1993
	19	Guillory, "Generation of Polymorphs, Hydrates, Solvates, and Amorphous Solids," <i>Polymorphism in Pharmaceutical Solids</i> , pp. 183-226, Marcel-Dekker, Inc. 1999
✓	20	He, et al., "Conformational Color Polymorphism and Control of Crystallization of 5-Methyl-2-[(4-methyl-2-nitrophenyl)amino]-3-thiophenecarbonitrile," <i>Journal of Pharmaceutical Sciences</i> , Vol. 90, No. 3, pp. 371-388, March 2001

EXAMINER

Yelew Yala

DATE CONSIDERED:

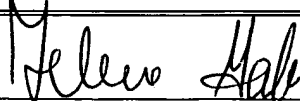
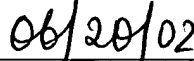
06/20/02

\*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Rev. 8-83) (modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 13001US01	SERIAL NO. 09/752,300
<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)		APPLICANT(s): Stahly et al.	
		FILING DATE December 28, 2000	GROUP ART. UNIT

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**

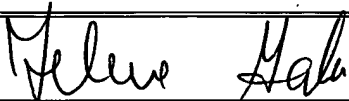
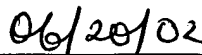
21	Beckmann, et al., "Occurrence, Stability, Kinetics of Crystallization and Polymorphic Transition of the A, B and C Modification of Abecarnil, Influence of Supersaturation, Temperature, Solvents and Impurities," <i>Institution of Chemical Engineers Trans IChemE</i> , Vol. 74, Part A, pp. 750-758, October 1996
22	Yu, et al., "Thermochemistry and Conformational Polymorphism of a Hexamorphic Crystal System," <i>Journal of American Chemical Society</i> , 122, No. 4, pp. 585-591, 2000
23	Stephenson et al., "Conformational and Color Polymorphorism of 5-Methyl-2-[(2-nitrophenyl)amino]-3-thiophenecarbonitrile," <i>Journal of Pharmaceutical Sciences</i> , Vol. 84, No. 11, pp. 1385-1386, November 1995
24	Moore, et al., "Crystal and Molecular Structures of Two Polymorphs of 4-Methyl-2-Nitroacetanilide (MNA)," <i>Journal of Crystallographic and Spectroscopic Research</i> , Vol. 13, No. 4, pp. 279-292, 1983
25	Moore, et al., "Crystal and Molecular Structure of an Amber Polymorph of 4-Methyl-2-Nitroacetanilide (MNA)," <i>Journal of Crystallographic and Spectroscopic Research</i> , Vol. 14, No. 3, pp. 283-291, 1983
26	Singh, et al., "Solid-State Characterization of Chlordiazepoxide Polymorphs," <i>Journal of Pharmaceutical Sciences</i> , Vol. 87, No. 5, pp. 655-662, May 1998
27	Harris, et al., "'Polymorphism' in a Novel Anti-Viral Agent: Lamivudine," <i>Journal of Chemical Society, Perkin Trans.</i> , 2, pp. 2653-2659, 1997
28	Caira, et al., "Crystal and Molecular Structures of Three Modifications of the Androgen Dehydroepiandrosterone (DHEA)," <i>Journal of Chemical Crystallography</i> , Vol. 25, No. 7, pp. 393-400, 1995
29	Cox, et al., "Structure of 3 $\beta$ -Hydroxy-5-androsten-17-one (DHEA) Monohydrate," <i>International Union of Crystallography</i> , pp. 334-336, 1990

EXAMINER		DATE CONSIDERED:	
*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

Form PTO-1449 (Rev. 8-83) (modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. <b>13001US01</b>	SERIAL NO. 09/752,857
<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)		APPLICANT(s): Stahly et al.	
		FILING DATE December 28, 2000	GROUP ART UNIT:

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

30	Chao, et al., "Polymorphism of 1,2-Dihydro-6-neopentyl-2-oxonicotinic Acid: Characterization, Interconversion, and Quantitation," <i>Pharmaceutical Research</i> , Vol. 4, No. 5, pp. 429-432, 1987
31	Gavezzotti, et al., "Polymorphic Forms of Organic Crystals at Room Conditions: Thermodynamic and Structural Implications," <i>Journal of American Chemical Society</i> , 117, pp. 12299-12305, 1995
32	Henck, et al. "Polymorphism of Tedisamil Dihydrochloride," <i>Journal of Pharmaceutical Sciences</i> , Vol. 89, No. 9, pp. 1151-1159, September 2000
33	Nomura, et al., "Thermal Polymorphic Transformation of <i>p</i> -tert-Butylcalix[4]arene Derivatives Bearing Amino Acid Substituents," <i>Journal of Organic Chemistry</i> , Vol. 65, No. 19, pp. 5932-5936, 2000
34	Gavezzotti, "A Molecular Dynamics Test of the Different Stability of Crystal Polymorphs under Thermal Strain," <i>Journal of American Chemical Society</i> , 122, pp. 10724-10725, 2000
35	Dinnebier, et al., "Structural Characterization of Three Crystalline Modifications of Telmisartan by Single Crystal and High-Resolution X-ray Powder Diffraction," <i>Journal of Pharmaceutical Sciences</i> , Vol. 89, No. 11, pp. 1465-1479, November 2000
36	Henck, et al., "Disappearing and Reappearing Polymorphs. The Benzocaine:Picric Acid System," <i>Journal of American Chemical Society</i> , 123, pp. 1834-1841, 2001
37	Threlfall, "Analysis of Organic Polymorphs, A Review," <i>Analyst</i> , 120, pp. 2435-2448, October 1995
38	Spruijtenburg, "Examples of the Selective Preparation of a Desired Crystal Modification by an Appropriate Choice of Operating Parameters," <i>Organic Process Research &amp; Development</i> , 4, pp. 403-406, 2000

EXAMINER		DATE CONSIDERED:	
*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

Form PTO-1449 (Rev. 8-83) (modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. <b>13001US01</b>	SERIAL NO. 09/752,857
<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)		APPLICANT(s): Stahly et al.	
		FILING DATE December 28, 2000	GROUP ART UNIT 3

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

39	Beckmann, "Seeding the Desired Polymorph: Background, Possibilities, Limitations, and Case Studies," <i>Organic Process Research &amp; Development</i> , Vol. 4, pp. 372-383, 2000
40	Threfall, "Crystallization of Polymorphs: Thermodynamic Insight into the Role of Solvent," <i>Organic Process Research &amp; Development</i> , 4, pp. 384-390, 2000
41	Vrcelj, et al., "Polymorphism in 2,4,6-Trinitrotoluene Crystallized from Solution," <i>Journal of American Chemical Society</i> , 123, pp. 2291-2295, 2001
42	Caira, et al., "Structural Characterization of Two Polymorphic Forms of Piroxicam Pivalate," <i>Journal of Pharmaceutical Sciences</i> , Vol. 87, No. 12, pp. 1608-1614, December 1998
43	Gu, et al., "Characterization of Polymorphic Forms of Fluconazole Using Fourier Transform Raman Spectroscopy," <i>Journal of Pharmaceutical Sciences</i> , Vol. 84, No. 12, pp. 1438-1441, December 1995
44	Salem, et al., "Preparation, Characterization and Transformation of Terfenadine Polymorphic Forms," <i>International Journal of Pharmaceutics</i> , 141, pp. 257-259, 1996
45	Hassan, et al., "Characterization of Famotidine Polymorphic Forms," <i>International Journal of Pharmaceutics</i> , 149, pp. 227-232, 1997
46	Ghodbane, et al., "Study of the polymorphism of 3-(((3-(2-(7-chloro-2-quinolinyl)-(E)-ethenyl)phenyl)((3-(3-(dimethylamino-3-oxopropyl)thio)methyl)-thio)propanoic acid (MK571) by DSC, TG, XRPD and Solubility Measurements," <i>International Journal of Pharmaceutics</i> , 59, pp. 281-286, 1990
47	Pienaar, et al., "Polymorphs of Nitrofurantoin. 2. Preparation and X-ray Crystal Structures of Two Anhydrous Forms of Nitrofurantoin," <i>Journal of Crystallographic and Spectroscopic Research</i> , Vol. 23, No. 10, 785-790, 1993

EXAMINER	<i>Yelw Hale</i>	DATE CONSIDERED:	<i>06/20/02</i>
*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

Form PTO-1449 (Rev. 8-83) (modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. <b>13001US01</b>	SERIAL NO. 09/752,857
<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)		APPLICANT(s): Stahly et al.	
		FILING DATE December 28, 2000	GROUP ART. UNIT

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

48	Giordano, et al., "Crystal Forms of Piroxicam Pivalate: Preparation and Characterization of Two Polymorphs," <i>Journal of Pharmaceutical Sciences</i> , Vol. 87, No. 3, pp. 333-346, March 1998
49	Bartolomei, et al., "Solid-State Investigation of Fluocinolone Acetonide," <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 15, pp. 1813-1820, 1997
50	Kiss, et al., "Solid State Investigation of Mefloquine Hydrochloride," <i>Journal of Pharmaceutical &amp; Biomedical Analysis</i> , Vol. 12, No. 7, pp. 889-893, 1994
51	Caira, et al., "Structure and Thermal Stability of Alprazolam and Selected Solvates," <i>Journal of Pharmaceutical Sciences</i> , Vol. 84, No. 11, pp. 1379-1384, November 1995
52	Wu, et al., "Investigation of Moricizine Hydrochloride Polymorphs," <i>Journal of Pharmaceutical Sciences</i> , Vol. 83, No. 10, pp. 1404-1406, October 1994
53	Hildebrand, et al., "Ketoprofen Sodium: Preparation and Its Formation of Mixed Crystals with Ketoprofen," <i>Journal of Pharmaceutical Sciences</i> , Vol. 86, No. 7, 854-857, July 1997
54	Agafonov, et al., "Polymorphism of Spironolactone," <i>Journal of Pharmaceutical Sciences</i> , Vol. 80, No. 2, pp. 181-185, February 1991
55	Singh, et al., "Solid-State Characterization of Chlordiazepoxide Polymorphs," <i>Journal of Pharmaceutical Sciences</i> , Vol. 87, No. 5, p. 655, May 1998
56	Chang, et al., "Solid State Characterization of Dehydroepiandrosterone," <i>Journal of Pharmaceutical Sciences</i> , Vol. 84, No. 10, pp. 1169-1179, October 1995
57	Tros de Ilarduya, et al., "Polymorphism of Sulindac: Isolation and Characterization of a New Polymorph and Three New Solvates," <i>Journal of Pharmaceutical Sciences</i> , Vol. 86, No. 2, pp. 248-251, February 1997

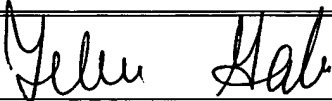
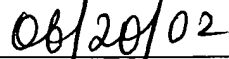
N

EXAMINER <i>Yelw Hah</i>	DATE CONSIDERED: <i>06/20/02</i>
*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Form PTO-1449 (Rev. 8-83) (modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. <b>13001US01</b>	SERIAL NO. 09/752,857
<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)		APPLICANT(s): Stahly et al.	
		FILING DATE December 28, 2000	GROUP ART UNIT:

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
58	Stephenson, et al., "Solid-State Analysis of Polymorphic, Isomorphic, and Solvated Forms of Dirithromycin," <i>Journal of American Chemical Society</i> , 116, pp. 5766-5773, 1994
59	Byrn et al., "Solid-State Chemistry of Drugs," <i>SSCI, Inc.</i> , Second Edition, pp. 1-574, 1999

**RECEIVED**  
 APR 23 2001  
 TC 1700

EXAMINER		DATE CONSIDERED:	
*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			